

Application No. 10/730,783  
Amdt. Dated October 3, 2007  
Reply to Office Action of April 20, 2007

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REMARKS

Applicant further submits herein the Material Safety Data Sheets (MSDS) for both N-methylpyrrolidone and 2-pyrrolidone.

As stated in the MSDS of N-methylpyrrolidone, this chemical can cause itching, redness, scaling and hives of skin. Similarly, 2-pyrrolidone may result in irritation upon contacting with skin.

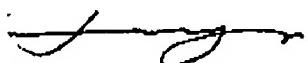
Therefore, Komar's formulations including N-methylpyrrolidone and/or 2-pyrrolidone together with avermectin for treatment of ectoparasites is not suitable for treating dermatological conditions.

Should there be any outstanding matters that need to be resolved in the present application, the Examiner is respectfully requested to contact Yi Li (Reg. No. 44,211) at the telephone number of the undersigned below, to conduct an interview in an effort to expedite prosecution in connection with the present application.

10/3/2007

Date of Signature

By:

  
Yi Li  
Registration No. 44,211  
Agent of the Applicant  
Phone: (305) 776-2450

Please address correspondence to:

Customer No. 27353



## Burdick & Jackson

# Material Safety Data Sheet

### N-Methylpyrrolidone

#### 1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

**PRODUCT NAME:** N-Methylpyrrolidone

**OTHER/GENERIC NAMES:** NMP.  
1-Methyl-2-pyrrolidone.

**PRODUCT USE:** Solvent

**MANUFACTURER:** Honeywell, Burdick & Jackson  
1953 South Harvey Street  
Muskegon, MI 49442

**FOR MORE INFORMATION CALL:**  
(Monday-Friday, 8:00am-5:00pm)  
1-800-368-0050

**IN CASE OF EMERGENCY CALL:**  
(24 Hours/Day, 7 Days/Week)  
1-800-707-4555 (Honeywell)  
For Transportation Emergencies:  
1-800-424-9300 (CHEMTREC - Domestic)  
703-527-3887 (CHEMTREC - International)

#### 2. COMPOSITION/INFORMATION ON INGREDIENTS

<b>INGREDIENT NAME</b>	<b>CAS NUMBER</b>	<b>WEIGHT %</b>
N-Methylpyrrolidone	872-50-4	100%

Trace impurities and additional material names not listed above may also appear in Section 15 toward the end of the MSDS. These materials may be listed for local "Right-To-Know" compliance and for other reasons.

#### 3. HAZARDS IDENTIFICATION

**EMERGENCY OVERVIEW:** Combustible liquid and vapor. Causes skin, eye and respiratory tract irritation. Harmful if swallowed, inhaled or absorbed through the skin.

#### POTENTIAL HEALTH HAZARDS

**SKIN:** Can cause itching, redness, scaling and hives. Quickly absorbed through the skin and is capable of transporting other dissolved toxins into the body.

**EYES:** Can cause irritation and corneal burns.



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### MATERIAL SAFETY DATA SHEET N-Methylpyrrolidone

**INHALATION:** Can cause respiratory tract irritation, headache, nausea, dizziness and drowsiness.

**INGESTION:** Can cause dizziness, drowsiness, nausea, vomiting, cramps, and chills.

**DELAYED EFFECTS:** Liver and Kidney damage can occur.

Ingredients found on one of the OSHA designated carcinogen lists are listed below.

<u>INGREDIENT NAME</u>	<u>NTP STATUS</u>	<u>IARC STATUS</u>	<u>OSHA LIST</u>
No ingredients listed in this section.			

#### 4. FIRST AID MEASURES

**SKIN:** Flush affected area with large amounts of water for at least 15 minutes while removing contaminated clothing and shoes. Get medical attention for irritation or any other symptom.

**EYES:** Immediately flush eyes with large quantities of water for at least 15 minutes. Get immediate medical attention.

**INHALATION:** Remove victim to fresh air. If breathing has stopped, apply artificial respiration. If breathing is difficult, give oxygen provided a qualified operator is available. Get immediate medical attention.

**INGESTION:** If person is conscious, rinse mouth with water. Patient may drink water or milk to dilute stomach contents. Do not induce vomiting unless directed to do so by medical personnel. Get immediate medical attention.

**ADVICE TO PHYSICIAN:** No specific advice. Treat according to symptoms present.

#### 5. FIRE FIGHTING MEASURES

##### FLAMMABLE PROPERTIES

**FLASH POINT:** 187°F (88°C)

**FLASH POINT METHOD:** Closed Cup

**AUTOIGNITION TEMPERATURE:** 346°C

**UPPER FLAME LIMIT** (volume % in air): 9.5%

**LOWER FLAME LIMIT** (volume % in air): 1.3%

**FLAME PROPAGATION RATE** (solids): Not Applicable

**OSHA FLAMMABILITY CLASS:** Combustible Liquid

##### **EXTINGUISHING MEDIA:**

Carbon Dioxide, Dry Chemical, or Foam.

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**Honeywell****Burdick & Jackson****MATERIAL SAFETY DATA SHEET**  
**N-Methylpyrrolidone****UNUSUAL FIRE AND EXPLOSION HAZARDS:**

Heat will build pressure within containers and may cause containers to rupture. May form explosive mixtures with air when heated above the flash point.

**SPECIAL FIRE FIGHTING PRECAUTIONS/INSTRUCTIONS:**

Wear full protective clothing and NIOSH approved self-contained breathing apparatus with full facepiece.

**6. ACCIDENTAL RELEASE MEASURES****IN CASE OF SPILL OR OTHER RELEASE:** (Always wear recommended personal protective equipment.)

Eliminate sources of ignition. Isolate the spill area. Contain and recover liquid when possible. Absorb with inert absorbent and place in an approved chemical waste container. For large spills, dike up with inert material and transfer into same container. Do not allow to enter into sewers or waterways.

Spills and releases may have to be reported to Federal and/or local authorities. See Section 15 regarding reporting requirements.

**7. HANDLING AND STORAGE****NORMAL HANDLING:** (Always wear recommended personal protective equipment.)

Keep away from heat and open flame. Use with adequate ventilation. Avoid contact with skin, eyes and clothing. Do not eat, drink or smoke in the work area. Wash thoroughly after handling.

**STORAGE RECOMMENDATIONS:**

Store in a cool, dry, well ventilated area away from heat and sources of ignition and incompatible materials. Keep containers upright and tightly closed. Protect containers from physical damage. Do not reuse containers. Empty containers may contain product residue and/or vapors. Label warnings apply to empty containers that have not been cleaned.

**8. EXPOSURE CONTROLS/PERSONAL PROTECTION****ENGINEERING CONTROLS:**

Ensure adequate mechanical ventilation. Use local ventilation at product handling or transfer points.

**PERSONAL PROTECTIVE EQUIPMENT****SKIN PROTECTION:**

Wear impervious protective clothing, including boots, gloves, lab coat, apron or coveralls as appropriate to prevent skin contact.



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### MATERIAL SAFETY DATA SHEET

N-Methylpyrrolidone

#### EYE PROTECTION:

Wear safety glasses with non-perforated sideshields for normal handling. Goggles or a full-face shield may be necessary depending on quantity of material and conditions of use.

#### RESPIRATORY PROTECTION:

Not required for properly ventilated areas. If there is potential for inhalation of vapor or mist, use an appropriate NIOSH approved respirator. Warning! Air-purifying respirators do not protect workers in oxygen-deficient atmospheres.

The respirator must be selected based on contamination levels and use conditions found in the workplace, must not exceed the working limits of the respirator and be approved by the National Institute for Occupational Safety and Health (NIOSH) and used in accordance with Occupational Safety and Health Administration (OSHA) 29 CFR 1910.134.

#### ADDITIONAL RECOMMENDATIONS:

Provide eyewash station and safety showers convenient to work areas.

#### EXPOSURE GUIDELINES

<u>INGREDIENT NAME</u>	<u>ACGIH TLV</u>	<u>OSHA PEL</u>	<u>OTHER LIMIT</u>
N-Methylpyrrolidone	None Established	None Established	10 ppm 8 hr TWA ** Skin contact can invalidate limit values.

\* = Limit established by Honeywell International, Inc.

\*\* = Workplace Environmental Exposure Level (AIHA).

\*\*\* = Biological Exposure Index (ACGIH).

#### OTHER EXPOSURE LIMITS FOR POTENTIAL DECOMPOSITION PRODUCTS:

None.

#### 9. PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE:	Clear
PHYSICAL STATE:	Liquid
MOLECULAR WEIGHT:	99.15
CHEMICAL FORMULA:	C <sub>5</sub> H <sub>9</sub> NO
ODOR:	Amine like odor
SPECIFIC GRAVITY (water = 1.0):	1.03

**Honeywell****Burdick & Jackson****MATERIAL SAFETY DATA SHEET**  
**N-Methylpyrrolidone**

SOLUBILITY IN WATER (weight %):	100%
pH:	Not Applicable
BOILING POINT:	396°F (202°C)
MELTING POINT:	-11°F (-24°C)
VAPOR PRESSURE:	<1 mm Hg @ 68°F (20°C)
VAPOR DENSITY (air = 1.0):	3.4
EVAPORATION RATE:	>1
% VOLATILES:	~100
FLASH POINT:	187°F (88°C)

(Flash point method and additional flammability data are found in Section 5.)

**10. STABILITY AND REACTIVITY****NORMALLY STABLE? (CONDITIONS TO AVOID):**

Stable under normal conditions of use and storage. Avoid heat, flames, ignition sources and incompatible material.

**INCOMPATIBILITIES:**

Oxidizers, and strong acids.

**HAZARDOUS DECOMPOSITION PRODUCTS:**

Thermal decomposition may produce carbon monoxide, carbon dioxide, and nitrogen oxides.

**HAZARDOUS POLYMERIZATION:**

Not expected to occur.

**11. TOXICOLOGICAL INFORMATION****IMMEDIATE (ACUTE) EFFECTS:**

Oral-Rat LD<sub>50</sub>: 3914 mg/kg.

Oral-Mouse LD<sub>50</sub>: 5130 mg/kg.

Dermal Approximate LD<sub>50</sub> (rabbit): 4000-8000 mg/kg (intact skin) and 2000-4000 mg/kg(abraded skin).

Dermal Irritation (rabbit): slight irritation. Primary Dermal Irritation Index of 0.5/8.0.

Eye (rabbit): severe irritation.

**DELAYED (SUBCHRONIC AND CHRONIC) EFFECTS:****Subchronic:**

In a repeated dose study in which mice were fed dietary concentrations of 0, 1,000, 2,500, or 7500 ppm over a 3-month period, concentrations of 2500 and 7500 produced toxic effects of the liver. The study concluded that 1000 ppm was a NOAEL level.



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### MATERIAL SAFETY DATA SHEET N-Methylpyrrolidone

#### Chronic:

Rats were exposed to vapor concentrations of 0, 40 (10 ppm), or 400 mg/m<sup>3</sup> (100 ppm) 6 hr/d, 5 d/wk for 2 years. No life-shortening toxic or carcinogenic effect was observed at any level. The body weight of males exposed to 400 mg/m<sup>3</sup> was reduced slightly, while a NOEL was determined to be 40 mg/m<sup>3</sup>.

#### OTHER DATA:

##### Reproductive/Developmental Toxicity:

Three inhalation developmental/reproductive studies in rats showed toxicological effects in the offspring, with a fourth study giving indications of behavioral problems, making that the endpoint of concern. Data from these studies indicate an inhalation NOEL of approximately 100 ppm (400 mg/m<sup>3</sup>) for reproductive/developmental effects in rats.

For rats exposed dermally, the fetal and maternal NOAEL is reported to be 237 mg/kg/day. Developmental effects were observed at the maternally toxic level of 750 mg/kg/day.

##### Mutagenicity:

Ames Test: Negative

Mouse Micronucleous Test: Negative, after single oral doses up to 3800 mg/kg.

Chinese Hamster Bone Marrow Test: Negative, after single oral doses up to 3800 mg/kg.

## 12. ECOLOGICAL INFORMATION

No data reported.

## 13. DISPOSAL CONSIDERATIONS

#### RCRA

Is the unused product a RCRA hazardous waste if discarded? Not listed.

If yes, the RCRA ID number is: Not Applicable.



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#### OTHER DISPOSAL CONSIDERATIONS:

Whatever cannot be saved for recovery or recycling should be managed in an approved waste disposal facility. Dispose of container and unused contents in accordance with federal, state and local requirements.

The information offered here is for the product as shipped. Use and/or alterations to the product such as mixing with other materials may significantly change the characteristics of the material and alter the RCRA classification and the proper disposal method.

#### 14. TRANSPORT INFORMATION

##### Proper DOT Shipping Description:

Domestic non-bulk shipment (119 gal or less): Not Regulated

Domestic bulk shipment (> 119 gal): Combustible Liquid, N.O.S. (N-Methylpyrrolidone), NA 1993, III.

##### Label(s) or Placards Required:

Domestic non-bulk shipment (119 gal or less): None Required.

Domestic bulk shipment (> 119 gal): Combustible Placard.

NA Emergency Response Guidebook: Guide No. 128.

For additional information on shipping regulations affecting this material, contact the information number found in Section 1.

#### 15. REGULATORY INFORMATION

##### TOXIC SUBSTANCES CONTROL ACT (TSCA)

TSCA INVENTORY STATUS: On the TSCA Inventory.

OTHER TSCA ISSUES: TSCA Section 4(a) Final Testing Consent Orders.

TSCA Section 8(a) Inventory Update Rule.

TSCA Section 12(b) One-Time Export Notification. Notice required only for first export or intended export to a particular country.

##### SARA TITLE III/CERCLA

"Reportable Quantities" (RQs) and/or "Threshold Planning Quantities" (TPQs) exist for the following ingredients.

##### INGREDIENT NAME

No ingredients listed in this section.

##### SARA/CERCLA RQ (lb)

##### SARA EHS TPQ (lb)



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Spills or releases resulting in the loss of any ingredient at or above its RQ requires immediate notification to the National Response Center [(800) 424-8802] and to your Local Emergency Planning Committee.

**SECTION 311 HAZARD CLASS:** Immediate. Delayed. Fire.

**SARA 313 TOXIC CHEMICALS:**

The following ingredients are SARA 313 "Toxic Chemicals". CAS numbers and weight percents are found in Section 2.

<u>INGREDIENT NAME</u>	<u>COMMENT</u>
N-Methylpyrrolidone (872-50-4)	De Minimis concentration is 1.0%.

**STATE RIGHT-TO-KNOW**

In addition to the ingredients found in Section 2, the following are listed for state right-to-know purposes.

<u>INGREDIENT NAME</u>	<u>WEIGHT %</u>	<u>COMMENT</u>
No ingredients listed in this section.		

**ADDITIONAL REGULATORY INFORMATION:**

N-Methylpyrrolidone is on the California Proposition 65 List of chemicals known to the State to cause reproductive toxicity.

**WHMIS CLASSIFICATION (CANADA):**

Class B, Division 3.

This product has been classified in accordance with hazard criteria of the Controlled Products Regulations and the MSDS contains all of the information required by the Controlled Products Regulations.

**FOREIGN INVENTORY STATUS:**

N-Methylpyrrolidone is on the following inventories:

Australian.  
Canadian DSL.  
Chinese.  
EINECS.  
Japanese (ENCS).  
Korean.  
Philippine (PICCS).

**16. OTHER INFORMATION**

**CURRENT ISSUE DATE:** August 31, 2001.

**PREVIOUS ISSUE DATE:** June, 2000

MSDS Number: B&J 0304  
Current Issue Date: August 31, 2001.

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### MATERIAL SAFETY DATA SHEET

N-Methylpyrrolidone

#### **CHANGES TO MSDS FROM PREVIOUS ISSUE DATE ARE DUE TO THE FOLLOWING:**

- Amended Hazards Identification, Section 3.
- Amended First Aid Measures, Section 4.
- Amended Personal Protective Equipment, Section 8.
- Amended Exposure Guidelines, Section 8.
- Amended Toxicological Information (Other Data), Section 11.
- Amended Transport Information, Section 14.
- Amended Other TSCA Issues, Section 15.
- Amended Additional Regulatory Information, Section 15.
- Amended Foreign Inventory Status, Section 15.

#### **OTHER INFORMATION:** NFPA Rating:

Health: 2  
Flammability: 1  
Reactivity: 0



## MATERIAL SAFETY DATA SHEET

### 1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

<b>Identification of the preparation</b>	C8840A
<b>Use of the preparation</b>	Inkjet printing
<b>Selectability number</b>	
<b>Manufacturer Information</b>	Hewlett-Packard Company 1000 NE Circle Boulevard Corvallis, OR 97330-4239 US
<b>Hewlett-Packard health effects line</b>	
(Toll-free within the US)	1-800-457-4209
(Direct)	1-503-494-7199
<b>General information telephone number</b>	
HP Customer Care Line	1-800-474-6836
(Toll-free)	1-800-474-6836
(Direct)	1-208-323-2551
<b>Revision date</b>	12-12-2004
<b>MSDS number</b>	16894

### 2. COMPOSITION / INFORMATION ON INGREDIENTS

Component/substance	CAS number	% by weight
Water	7732-18-5	< 90
2-pyrrolidone	616-45-5	< 10
Carbon black	1333-86-4	< 5
<b>Composition comments</b>	This ink supply contains an aqueous ink formulation. This product has been evaluated using criteria specified in 29 CFR 1910.1200 (Hazard Communication Standard).	

### 3. HAZARDS IDENTIFICATION

<b>Emergency Overview</b>	Contact with skin and eyes may result in irritation.
<b>Acute Health Effects</b>	Any potential hazards are presumed to be due to exposure to the components.
<b>Skin contact</b>	<b>2-pyrrolidone</b> Contact with skin may result in irritation.
<b>Eye contact</b>	<b>2-pyrrolidone</b> Contact with eyes may result in irritation.
<b>Inhalation</b>	<b>2-pyrrolidone</b> Inhalation may result in respiratory irritation.



## MATERIAL SAFETY DATA SHEET

### Ingestion

**2-pyrrolidone**

Ingestion may result in nausea, vomiting and diarrhea.

### Potential health effects

#### Routes of exposure

Potential routes of overexposure to this product are skin and eye contact.

Inhalation of vapor and ingestion are not expected to be significant routes of exposure for this product under normal use conditions.

Complete toxicity data are not available for this specific formulation.

#### Chronic health effects

Carbon Black: Chronic inhalation studies performed with fine dust particles resulted in lung tumors in animals. The IARC classification was based upon these results. IARC also concluded "there is inadequate evidence in humans for the carcinogenicity of carbon black." Inhalation of fine dust particles is not expected to occur during normal conditions of use of this ink.

#### Carcinogenicity

Carbon black has been classified by IARC as a Group 2B (possible human carcinogen). None of the other ingredients have been classified as carcinogens according to EU, IARC, MAK, NTP or OSHA.

## 4. FIRST AID MEASURES

### First aid procedures

#### Eye

Do not rub eyes. Immediately flush with large amounts of clean, warm water (low pressure) for at least 15 minutes or until particles are removed. If irritation persists get medical attention.

#### Skin

Wash affected areas thoroughly with mild soap and water. Get medical attention if irritation develops or persists.

#### Inhalation

Remove to fresh air. If symptoms persist, get medical attention.

#### Ingestion

If ingestion of a large amount does occur, seek medical attention.

## 5. FIRE FIGHTING MEASURES

**Flash point and method** > 93.3 °C (> 200 °F); Pensky-Martens Closed Cup

**Hazardous combustion products** Refer to section 10.

**Extinguishing media** Dry chemical, CO<sub>2</sub>, water spray or regular foam.

**Unsuitable extinguishing media** None known.

**Unusual fire and explosion hazard** None known.

**Special firefighting procedures** None established.

## 6. ACCIDENTAL RELEASE MEASURES

**Personal precautions** Wear appropriate personal protective equipment.

**Environmental precautions** Do not let product enter drains. Do not flush into surface water or sanitary sewer system.



## MATERIAL SAFETY DATA SHEET

**Procedures if material is released or spilled** Soak up with inert absorbent material. Slowly vacuum or sweep the material into a bag or other sealed container. Dispose of in compliance with federal, state, and local regulations. See also section 13 Disposal considerations.

### 7. HANDLING AND STORAGE

<b>Handling</b>	Avoid contact with skin, eyes and clothing.
<b>Storage</b>	Keep out of the reach of children. Keep away from excessive heat or cold.

### 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

**Exposure limit values** Exposure limits have not been established for this product.

**ACGIH - Occupational Exposure Limits - TWAs**

Carbon black	1333-86-4	3.5 mg/m <sup>3</sup> TWA
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**OSHA - Final PELs - Time Weighted Averages (TWAs)**

Carbon black	1333-86-4	3.5 mg/m <sup>3</sup> TWA
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**Personal protective equipment**

<b>General</b>	Use personal protective equipment to minimize exposure to skin and eye.
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<b>Hygiene measures</b>	Handle in accordance with good industrial hygiene and safety practice.
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<b>Exposure guidelines</b>	Use in a well ventilated area.
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### 9. PHYSICAL & CHEMICAL PROPERTIES

<b>pH</b>	8 - 9.3
<b>Vapor pressure</b>	Not determined
<b>Boiling point</b>	Not determined
<b>Solubility</b>	Soluble in water
<b>Specific gravity</b>	1 - 1.2
<b>VOC content</b>	< 3 %
<b>Flash point</b>	> 93.3 °C (> 200 °F)
<b>Viscosity</b>	Not determined
<b>Vapor density</b>	> 1 (air = 1.0)
<b>Evaporation rate</b>	Not determined
<b>Flammability</b>	Not determined
<b>Oxidizing properties</b>	Not determined
<b>Color</b>	Black

### 10. CHEMICAL STABILITY & REACTIVITY INFORMATION

<b>Stability</b>	Stable under recommended storage conditions.
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<b>Hazardous polymerization</b>	Will not occur.
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<b>Hazardous decomposition products</b>	Upon decomposition, this product may yield gaseous nitrogen oxides, carbon monoxide, carbon dioxide and/or low molecular weight hydrocarbons.
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<b>Incompatibility</b>	Incompatible with strong bases and oxidizing agents.
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## MATERIAL SAFETY DATA SHEET

### 11. TOXICOLOGICAL INFORMATION

This ink formulation has not been tested for toxicological effects.  
Refer to Section 3 for potential health effects and Section 4 for first aid measures.

#### Symptoms and target organs

NIOSH - Pocket Guide - Target Organs

Carbon black	1333-86-4	respiratory system, eyes
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### 12. ECOLOGICAL INFORMATION

Aquatic toxicity	LC50/96h/Fathead minnows =>750 mg/L
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### 13. DISPOSAL CONSIDERATIONS

Disposal Instructions	Dispose of in compliance with federal, state, and local regulations. HP's Planet Partners (trademark) supplies recycling program enables simple, convenient recycling of HP original inkjet and LaserJet supplies. For more information and to determine if this service is available in your location, please visit <a href="http://www.hp.com/recycle">http://www.hp.com/recycle</a> .
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### 14. TRANSPORTATION INFORMATION

General	Not a regulated article under United States DOT, IATA, ADR, IMDG, or RID.
<b>IATA</b>	
Proper shipping name	Not applicable
Hazard class	Not applicable
Packaging exceptions	None
Identification number (UN)	None
Packing group	N/A

### 15. REGULATORY INFORMATION

International regulations	All chemical substances in this HP product have been notified or are exempt from notification under chemical substances notification laws in the following countries: US (TSCA), EU (EINECS/ELINCS), Switzerland, Canada (DSL/NDSL), Australia, Japan, Philippines, South Korea, New Zealand, and China.						
US federal regulations	US TSCA 12(b): Contains tetrahydrofuran (CASRN 109-99-9), subject to export notification requirements.						
HMIS ratings	<table border="0"> <tr> <td>Health</td> <td>1</td> </tr> <tr> <td>Flammability Classification</td> <td>1</td> </tr> <tr> <td>Reactivity</td> <td>0</td> </tr> </table>	Health	1	Flammability Classification	1	Reactivity	0
Health	1						
Flammability Classification	1						
Reactivity	0						
NFPA ratings	<table border="0"> <tr> <td>Health</td> <td>1</td> </tr> <tr> <td>Flammability Classification</td> <td>1</td> </tr> <tr> <td>Reactivity</td> <td>0</td> </tr> </table>	Health	1	Flammability Classification	1	Reactivity	0
Health	1						
Flammability Classification	1						
Reactivity	0						



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### Superfund Amendments and Reauthorization Act of 1986 (SARA)

<b>Section 302 Extremely Hazardous Substance</b>	No
<b>Section 311 Hazardous Chemical</b>	No
<b>Hazard categories</b>	Immediate Hazard - No Delayed Hazard - No Fire Hazard - No Pressure Hazard - No Reactivity Hazard - No

### 16. OTHER INFORMATION

<b>Other information</b>	This MSDS was prepared in accordance with USA OSHA Hazard Communications regulation (29 CFR 1910.1200).
<b>Issue date</b>	12-12-2004
<b>Revision</b>	2
<b>Replaces sheet dated</b>	10-06-2004
<b>Disclaimer</b>	This Safety Data Sheet document is provided without charge to customers of Hewlett-Packard Company. Data is the most current known to Hewlett-Packard Company at the time of preparation of this document and is believed to be accurate. It should not be construed as guaranteeing specific properties of the products as described or suitability for a particular application. This document was prepared to the requirements of the jurisdiction specified in Section 1 above and may not meet regulatory requirements in other countries.

### MSDS Sections Updated

- 15. Regulatory Information: US federal regulations
- 3. Hazards Identification: Chronic health effects
- Chemical Product and Company Identification: Alternate Trade Names - SKU Numbers
- Composition / Information on Ingredients: Ingredient Extensions
- Fire Fighting Measures: Fire & Explosion Properties



## MATERIAL SAFETY DATA SHEET

### Explanation of abbreviations

ACGIH	American Conference of Governmental Industrial Hygienists
CAS	Chemical Abstracts Service
CERCLA	Comprehensive Environmental Response Compensation and Liability Act
CFR	Code of Federal Regulations
COC	Cleveland Open Cup
DOT	Department of Transportation
EPCRA	Emergency Planning and Community Right-to-Know Act (aka SARA)
IARC	International Agency for Research on Cancer
NIOSH	National Institute for Occupational Safety and Health
NTP	National Toxicology Program
OSHA	Occupational Safety and Health Administration
PEL	Permissible Exposure Limit
RCRA	Resource Conservation and Recovery Act
REC	Recommended
REL	Recommended Exposure Limit
SARA	Superfund Amendments and Reauthorization Act of 1986
STEL	Short-Term Exposure Limit
TCLP	Toxicity Characteristics Leaching Procedure
TLV	Threshold Limit Value
TSCA	Toxic Substances Control Act
VOC	Volatile Organic Compounds